

ABSTRACT

Disclosed is an electric double layer capacitor which
5 is excellent in rate characteristics and low-temperature
characteristics while having a high capacitance even when an
electrolyte solution containing a high-concentration ionic
liquid is used. Specifically disclosed is an electric double
layer capacitor comprising a pair of polarizable electrodes
10 and an electrolyte solution. As the polarizable electrodes,
there is used one mainly composed of an activated carbon
which has the peak in the micropore radius distribution
determined by the MP method within a range from 5.0×10^{-10} to
 1.0×10^{-9} m. As the electrolyte solution, there is used an
15 ionic liquid having a concentration of more than 2.0 mol/L.